

AMENDMENTS TO THE ABSTRACT

Please replace the current Abstract with the Abstract provided below. Applicants include herewith a marked up version of the replacement paragraph, underlined and/or bracketed text indicating insertions, and strikethrough and/or double brackets indicating deletions:

An integrated cell searcher of a dual mode modem which supports different communications modes is provided. The integrated cell searcher comprises a first code generator which generates first codes for cell searching in a non-synchronous mode; a second code generator which generates second codes for cell searching in a synchronous mode; a signal selector which receives the first codes and the second codes and selectively outputs either of the first codes or second codes in response to a mode selection signal; and a plurality of correlators which receive and correlate a code from a base station and the selected codes respectively.